

ABSTRACT

METHOD FOR IDENTIFYING A PLURALITY OF TRANSPONDERS
LOCATED IN A SPACE BY A READER HAVING SEVERAL ANTENNAE

The invention concerns a method for identifying a plurality of passive transponders 6 using a reader comprising several antennae whose detection fields do not merge spatially and/or temporally, said transponders comprising an analogue 34 or digital 52 memory for storing binary information for a certain time interval in the
5 absence of any reader feeding fields. For each antenna, the method sequentially implements an anti-collision protocol during which each identified transponder is set in a "silent" mode. The method provides for this information to be stored in said memory of each transponder for a time interval including at least the switching period between a first antenna and a second antenna of the reader. This prevents detection of the
10 same transponders by several antennae, which makes the identification method quicker and more efficient.

Figure 3